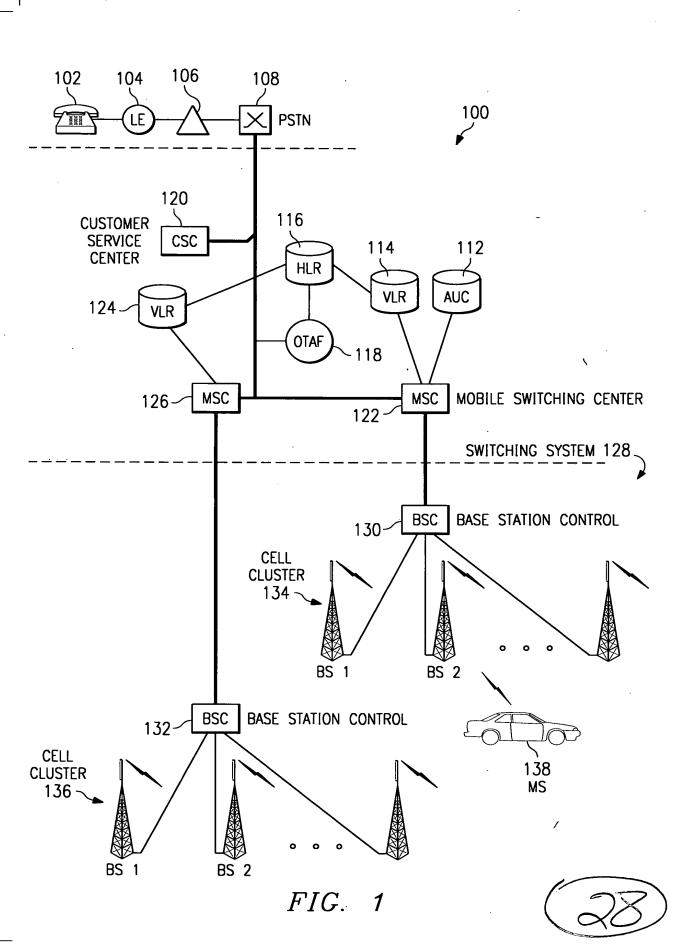
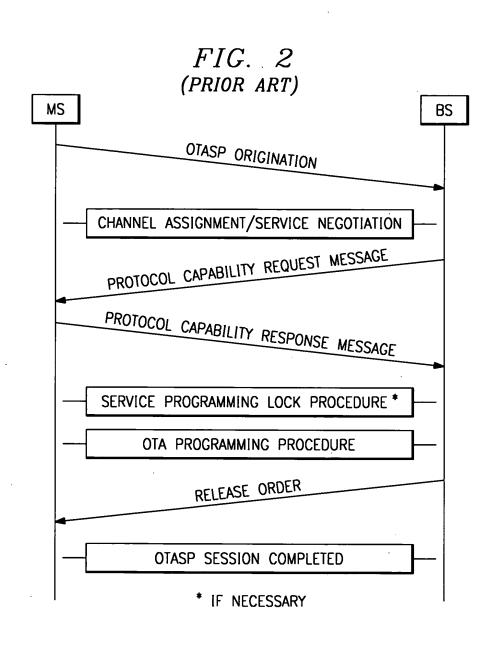
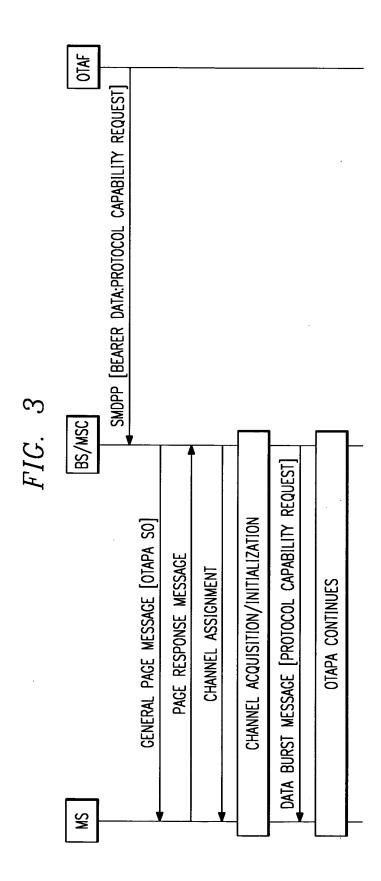
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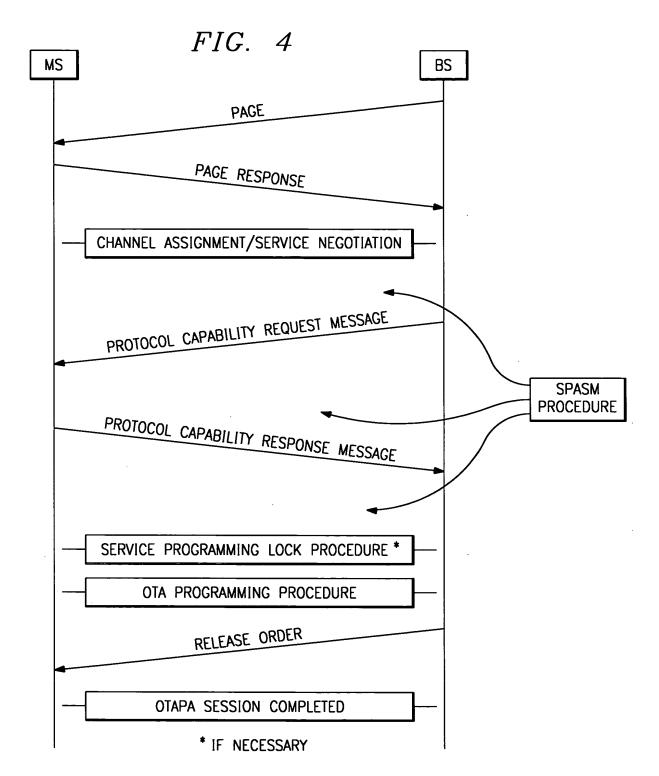


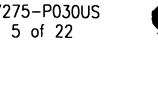


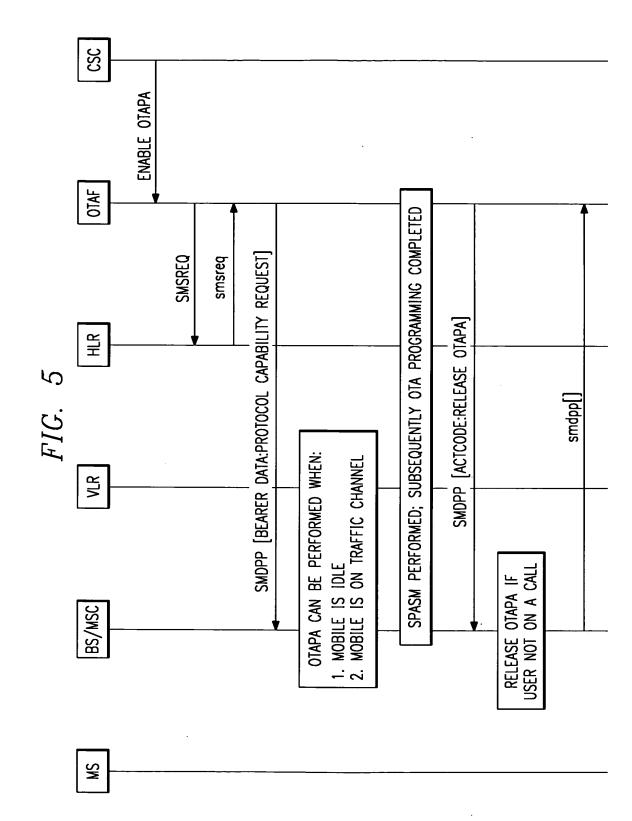




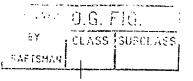
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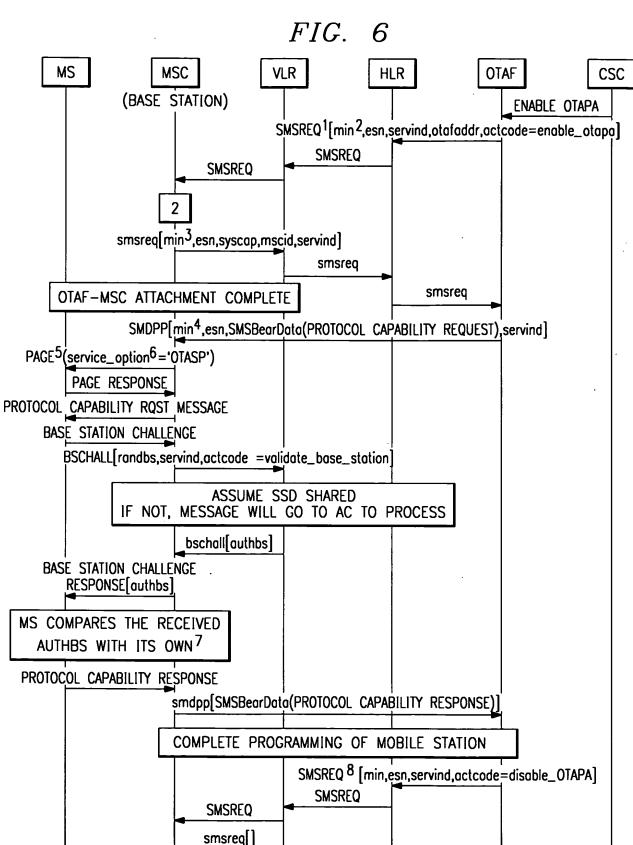
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RELEASE ORDER

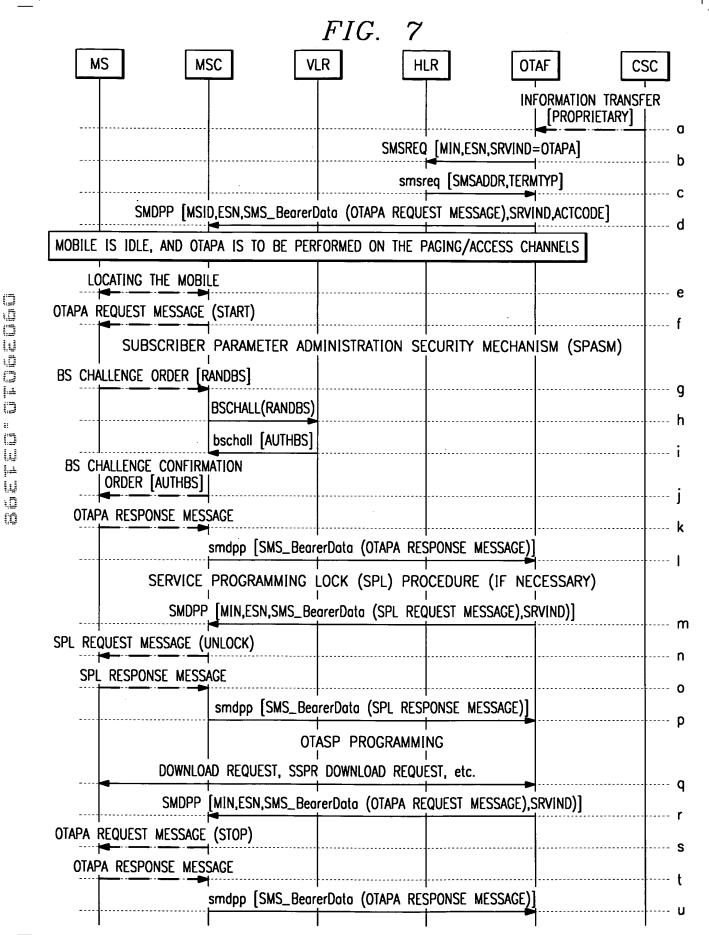
RELEASE ACK



smsreq[]

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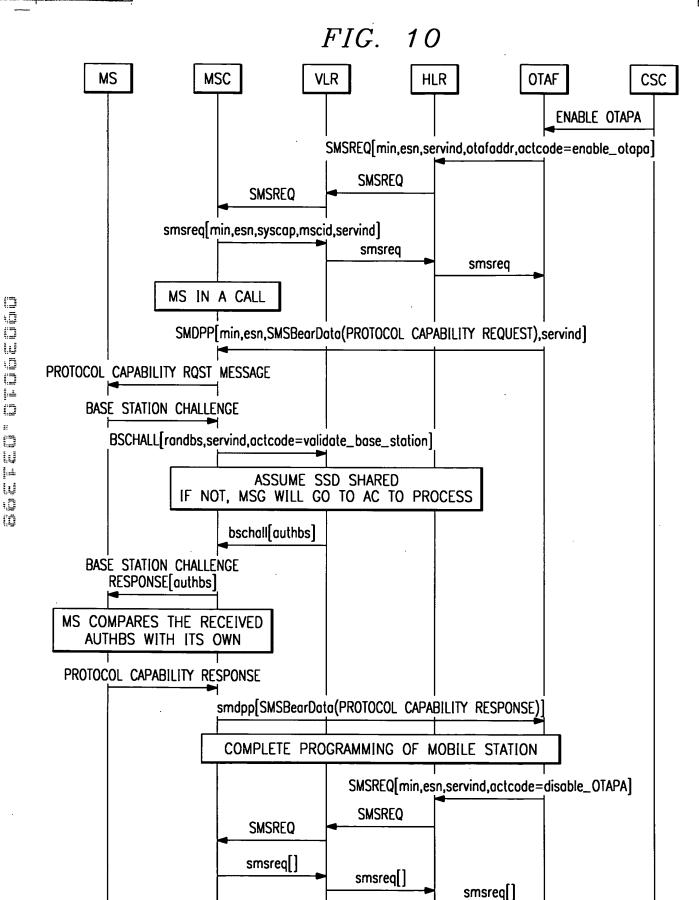
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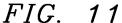


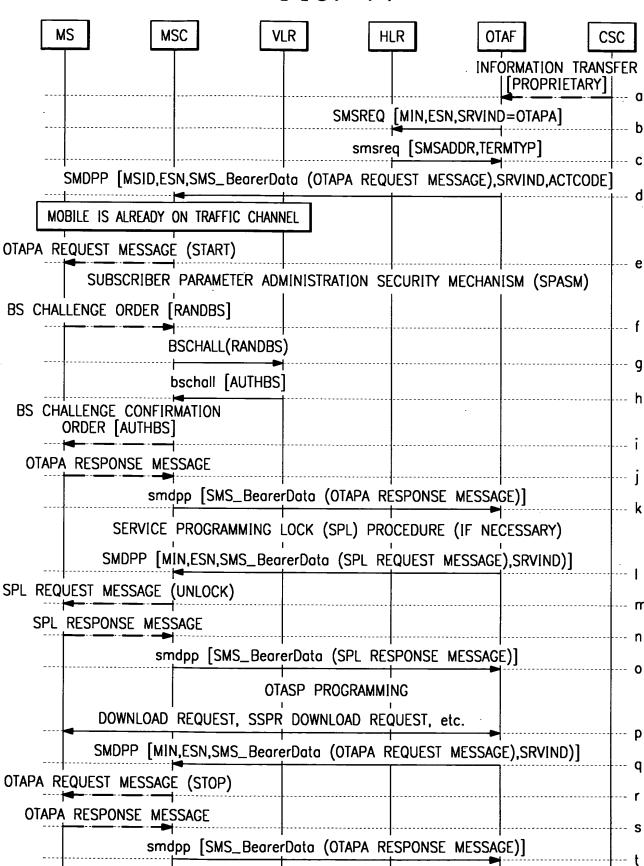
FIG.MS MSC VLR HLR OTAF CSC INFORMATION TRANSFER [PROPRIETARY] SMSREQ [MIN,ESN,SRVIND=OTAPA] smsreq [SMSADDR, TERMTYP] SMDPP [MSID,ESN,SMS_BearerData (OTAPA REQUEST MESSAGE),SRVIND,ACTCODE] MOBILE IS IDLE, AND OTAPA IS TO BE PERFORMED ON THE TRAFFIC CHANNELS MOVE MS TO A TRAFFIC CHANNEL OTAPA REQUEST MESSAGE (START) SUBSCRIBER PARAMETER ADMINISTRATION SECURITY MECHANISM (SPASM) BS CHALLENGE ORDER [RANDBS] BSCHALL(RANDBS) bscholl [AUTHBS] BS CHALLENGE CONFIRMATION ORDER [AUTHBS] OTAPA RESPONSE MESSAGE smdpp [SMS_BearerData (OTAPA RESPONSE MESSAGE)] SERVICE PROGRAMMING LOCK (SPL) PROCEDURE (IF NECESSARY) SMDPP [MIN,ESN,SMS_BearerData (SPL REQUEST MESSAGE),SRVIND)] SPL REQUEST MESSAGE (UNLOCK) SPL RESPONSE MESSAGE smdpp [SMS_BearerData (SPL RESPONSE MESSAGE)] OTASP PROGRAMMING DOWNLOAD REQUEST, SSPR DOWNLOAD REQUEST, etc. SMDPP [MIN,ESN,SMS_BearerData (OTAPA REQUEST MESSAGE),SRVIND)] OTAPA REQUEST MESSAGE (STOP) OTAPA RESPONSE MESSAGE smdpp [SMS_BearerData (OTAPA RESPONSE MESSAGE)] CALL RELEASED





CLASS SUBCLASS





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FIG. 12

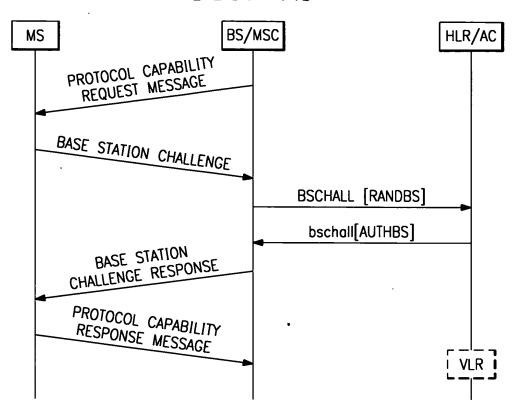
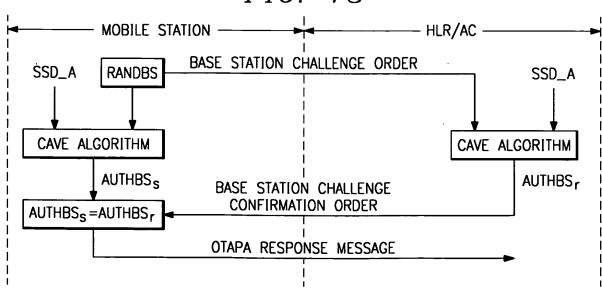
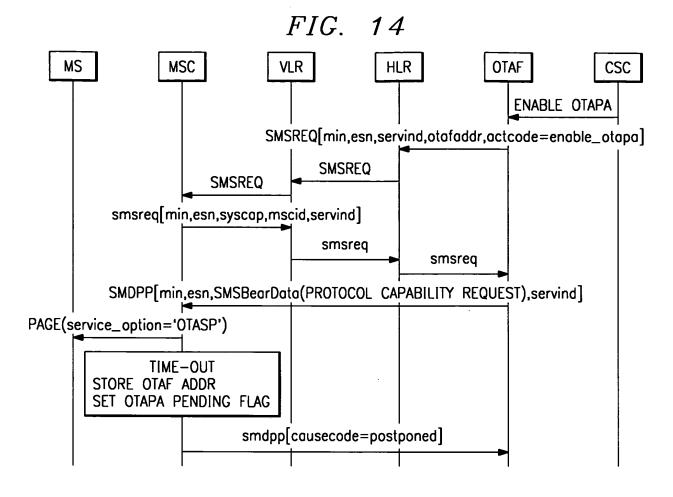


FIG. 13



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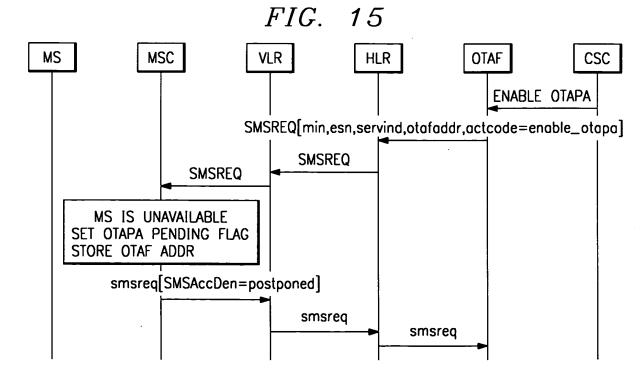
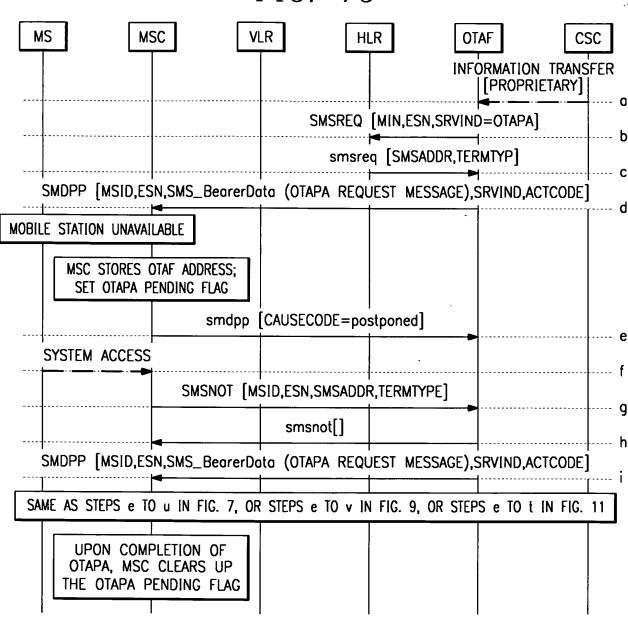


FIG. 16



COMPLETE PROGRAMMING OF MOBILE STATION

SMSREQ

smsreq[]

SMSREQ

smsreq[]

CLEAR OTAPA PENDING FLAG

MS

SYSTEM ACCESS

PROTOCOL CAPABLITY

REQUEST MESSAGE

BASE STATION CHALLENGE

BASE STATION CHALLENGE

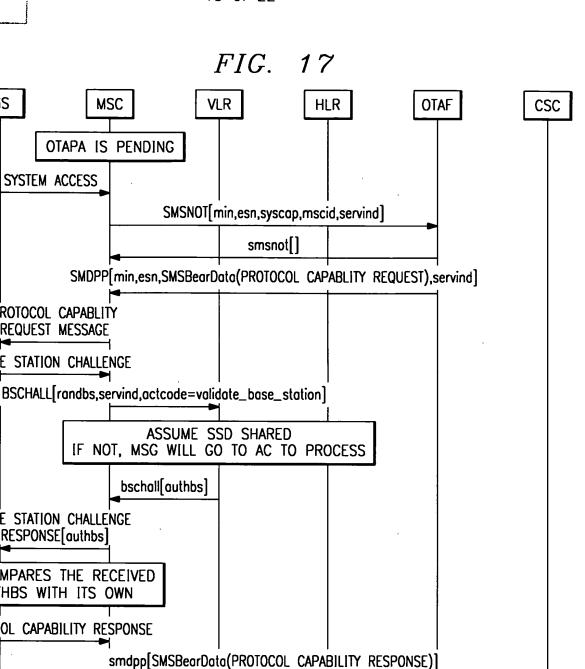
RESPONSE[authbs]

MS COMPARES THE RECEIVED AUTHBS WITH ITS OWN

PROTOCOL CAPABILITY RESPONSE

MSC

OTAPA IS PENDING

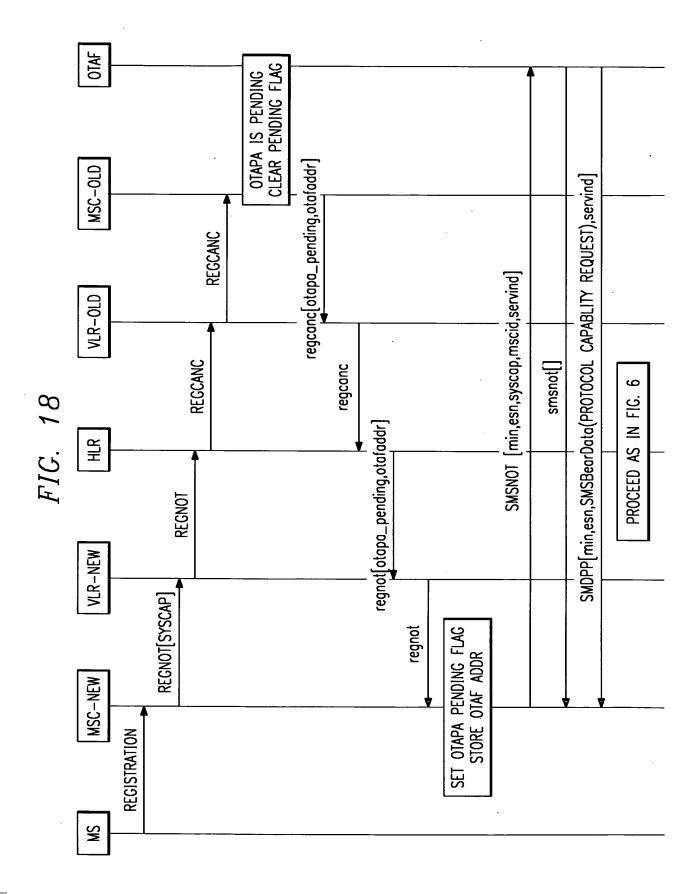


SMSREQ[min,esn,servind,actcode=disable_otapa]

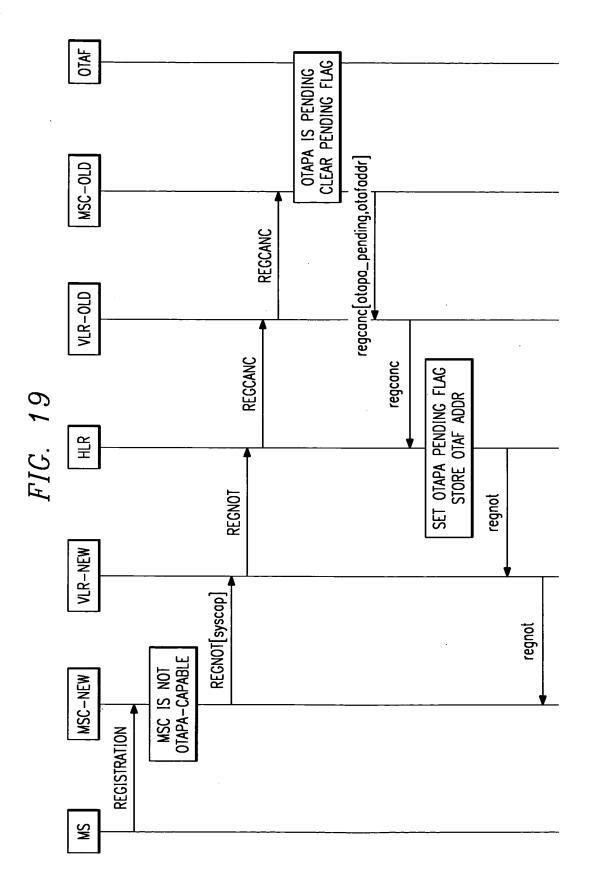
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O.G. FIG.

FIG. 20

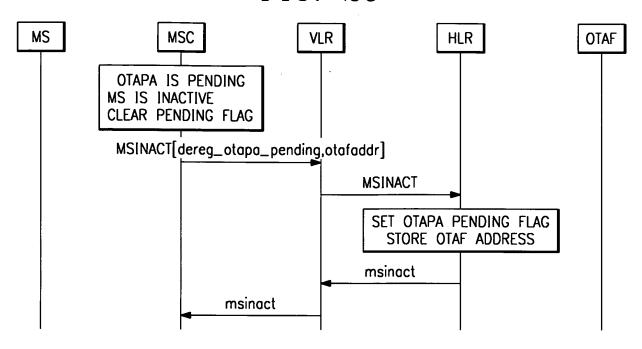
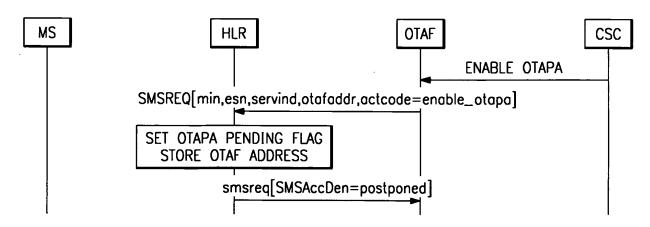


FIG. 21

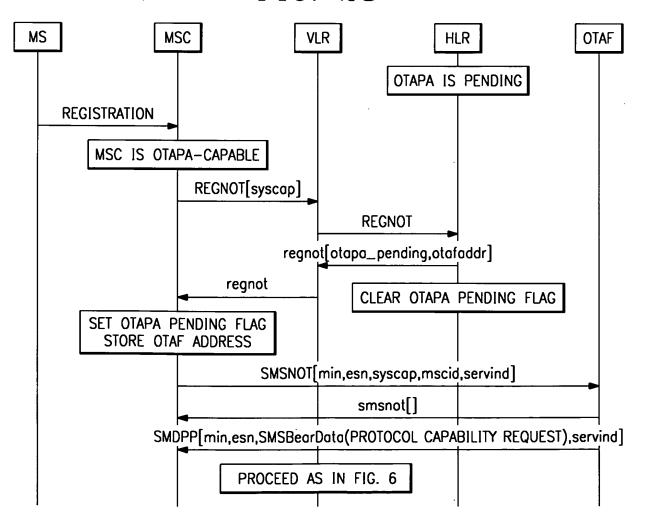


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FIG. 22 MSC MS VLR **OTAF** HLR **CSC** INFORMATION TRANSFER [PROPRIETARY] SMSREQ [MSID,ESN,SRVIND=OTAPA] MS LOCATION NOT AVAILABLE, OR MS IS IN AN MSC NOT CAPABLE OF OTAPA, OR MS. IS IN AN AREA WHERE OTAPA IS UNAUTHORIZED: HLR STORES OTAF ADDRESS; SET OTAPA PENDING FLAG smsreq [SMSAccDen=postponed]

FIG. 23



TEAFISHAN





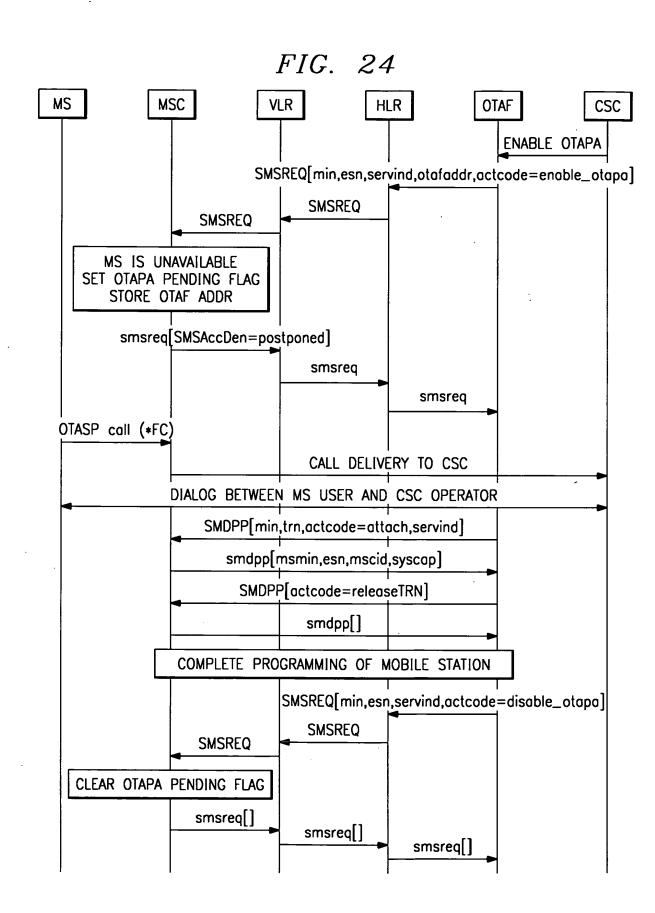
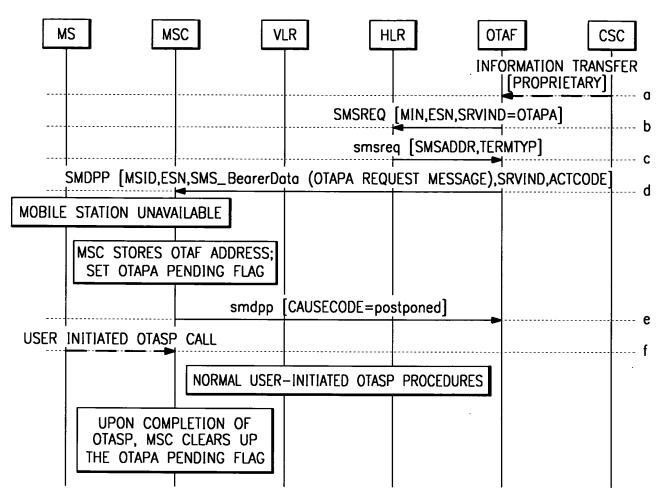
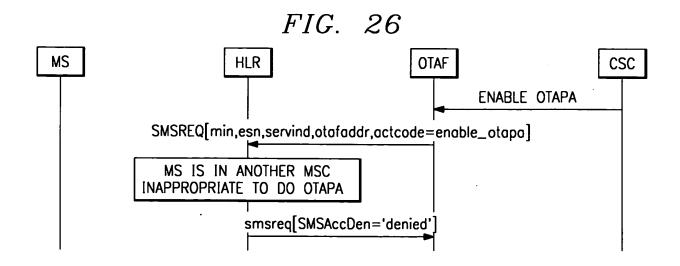




FIG. 25





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